

What is claimed:

1. A composition comprising a cell, tissue, or organ and glucosaminoglycan in the absence of serum.
2. The composition of claim 1 wherein the glucosaminoglycan is hyaluronan.
3. The composition of claim 1 wherein the composition is for preserving cells.
4. The composition of claim 3 wherein the cells are non-cultured.
5. The composition of claim 3 wherein the cells are cultured and preserved at a temperature of above freezing.
6. The composition of claim 3 wherein the cells are not unkeratinized epithelial cells.
7. The composition of claim 3 wherein the cells are non-corneal.
8. The composition of claim 3 wherein the cells are non-ovarian.
9. The composition of claim 3 wherein the cells are non-musculoskeletal.
10. The composition of claim 3 wherein the cells are in the absence of a non-cell penetrating cryoprotectant.
11. The composition of claim 3 wherein the cells are preserved at a temperature above freezing.
12. The composition of claim 3 wherein the cells are preserved at a temperature below freezing.
13. The composition of claim 1 wherein the cells are epithelial cells.
14. The composition of claim 13 wherein the cells are non-cultured.

15. The composition of claim 13 wherein the cells are cultured and preserved at a temperature above freezing.
16. The composition of claim 13 wherein the cells are preserved in the absence of a non-cell penetrating cryoprotectant.
17. A method of making a cell-containing storage solution comprising
 - utilizing a solution comprising a glucosaminoglycan in the absence of serum;
 - and
 - placing the cells in the solution.
18. The method of claim 17 wherein the glucosaminoglycan is hyaluronan.
19. A method of preserving cells comprising
 - utilizing a solution comprising glucosaminoglycan in the absence of serum;
 - and
 - storing the cells in the solution.
20. The method of claim 19 wherein the glucosaminoglycan is hyaluronan.
21. The method of claim 19 wherein the cells are preserved at a temperature above freezing.
22. The method of claim 19 wherein the cells are preserved at a temperature below freezing.
23. A method of treatment comprising
 - obtaining cells;
 - storing the cells in a solution comprising glucosaminoglycan in the absence of serum; and
 - using the cells in treatment.
24. The method of claim 23 wherein the glucosaminoglycan is hyaluronan.

25. A kit comprising a storage solution comprising hyaluronan in the absence of serum and cells.
26. The kit of claim 25 wherein the cells are stored at a temperature above 0°C.
27. The kit of claim 25 wherein the cells are in sheets.
28. The kit of claim 25 wherein the cells are in solution.
29. The kit of claim 25 wherein the cells are a tissue.